CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodegahalli Sub Division,
BBMP.

18th April 2015

Dear Sir,

Sub: Testing of Bituminous Concrete.

As requested, the required tests were carried out for the Bituminous Concrete the samples supplied by you, for the work of **'Providing wet mix in cut portion roads in DEO-Residency layout in ward no. 07, (Byatarayanapura), Kodegahalli Sub Division.'**

Please find the enclosed Test Report of the above.

Thanking You,
For Civil Tech Labs

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

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TEST REPORT

TEST ON DETERMINATION OF BITUMEN CONTENT ON BITUMINOUS CONCRETE MIX-GRADE 2

Name & Address of the Customer	AEE, Kodegahalli Sub Division, BBMP
Name of Work	Providing wet mix in cut portion roads in DEO-Residency layout in ward no. 07, (Byatarayanapura), Kodegahalli Sub Division.
Name of Agency	M/s. Sathy Construction Bangalore.
Date of Testing	18/04/2015

A)

Sl. No.	Test	Test Method	Technical Reference
1	Extraction of mineral aggregate	**Test Method A (Centrifuge Method)**	**ASTM: D2172/ D2172M-11**
2	Determination of amount of mineral matter/fines in the extract	**Ashing Method**	

B)

Specification: As Per MORTH (4th Revision) Table 500-18, Bitumen Content for BC Grade-2 is 5% to 7%

Sl. No.	Description	Values
1	Weight of bituminous mixture before extraction test, **W_1 g**	**2000.00**
2	Weight of mineral aggregate obtained from centrifuge extractor, **W_2 g**	**1872.63**
3	Weight of mineral matter in the total volume of extract (by ashing), **W_3 g**	**13.52**
4	Total weight of aggregate in the bituminous mixture, **W_4 g = (W_2 +W_3) g**	**1886.15**
5	Total weight of Bitumen extracted from the mixture, **W_5 g = (W_1-W_4) g**	**113.85**
6	Bitumen content in %, **(W_5/W_1) %**	**5.69**

Remarks	**Satisfies the requirement.**

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

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TEST REPORT

GRADATION TEST ON BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Kodegahalli Sub Division, BBMP
Name of Work	Providing wet mix in cut portion roads in DEO-Residency layout in ward no. 07, (Byatarayanapura), Kodegahalli Sub Division.
Name of Agency	M/s. Sathy Construction Bangalore.
Date of Testing	18/04/2015
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011)

	Sample-2		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-18 for BC Grade-2**	**Actual % By Weight Passing IS Sieve**	**Remarks**
19	100	**100**	**Satisfies the requirements**
13.2	79-100	**98.2**	
9.5	70-88	**83.6**	
4.75	53-71	**62.7**	
2.36	42-58	**48.2**	
1.18	34-48	**37.8**	
0.6	26-38	**30.2**	
0.3	18-28	**21.3**	
0.15	12-20	**16.3**	
0.075	4-10	**7.2**	

Note:

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TEST REPORT

GRADATION TEST ON BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Kodegahalli Sub Division, BBMP
Name of Work	Providing wet mix in cut portion roads in DEO-Residency layout in ward no. 07, (Byatarayanapura), Kodegahalli Sub Division.
Name of Agency	M/s. Sathy Construction Bangalore.
Date of Testing	18/04/2015
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011)

	Sample-1		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-18 for BC Grade-2**	**Actual % By Weight Passing IS Sieve**	**Remarks**
19	100	**100**	**Satisfies the requirements**
13.2	79-100	**97.4**	
9.5	70-88	**82.3**	
4.75	53-71	**63.5**	
2.36	42-58	**47.8**	
1.18	34-48	**38.6**	
0.6	26-38	**31.2**	
0.3	18-28	**22.4**	
0.15	12-20	**17.3**	
0.075	4-10	**6.8**	

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T-2654

To,

Assistant Executive Engineer
Kodegahalli Sub Division,
BBMP.

15th April 2015

Dear Sir,

Sub: Testing of Wet Mix Macadam.

As requested, the required tests were carried out for the Wet Mix Macadam the samples supplied by you, for the work of **'Providing wet mix in cut portion roads in DEO-Residency layout in ward no. 07, (Byatarayanapura), Kodegahalli Sub Division.'**

AE-I

Please find the enclosed Test Report of the above.

Thanking You,
For Civil Tech Labs

Khushboo

(KHUSHBOO L.)
Quality Manager

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TEST REPORT

TEST ON WMM MIX

Name & Address of the Customer	AEE, Kodegahalli Sub Division, BBMP
Name of Work	Providing wet mix in cut portion roads in DEO-Residency layout in ward no. 07, (Byatarayanapura), Kodegahalli Sub Division.
Name of the Agency	M/s. Sathy Construction Bangalore.
Date of Testing	15/04/2015
Reference	MORTH Table 400-11

IS Sieve Designation (mm)	% By Weight Passing IS Sieve	Actual % By Weight Passing IS Sieve	Remarks
53	100	100	Satisfies Requirements
45	95-100	98.2	
22.4	60-80	73.6	
11.2	40-60	52.4	
4.75	25-40	36.8	
2.36	15-30	23.4	
0.6	8-22	16.2	
0.075	0-8	7.2	

AE-1

Note:
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Lab Incharge
Civil Tech Labs